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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,836	11/13/2003	Sang-Kyoung Lee	6192.0056.C1	7868

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McGuire Woods LLP
1750 Tysons Boulevard, Suite 1800
McLean, VA 22102

EXAMINER

TANG, MINH NHUT

ART UNIT	PAPER NUMBER
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2829

DATE MAILED: 03/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/705,836

Applicant(s)

LEE ET AL.

Examiner

Minh N. Tang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2003.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 44-53 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 44-53 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 13 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/206,317.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/13/03.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/206,317, filed on December 07, 1998.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on November 13, 2003 is considered by the examiner.

Specification

3. The Preliminary Amendment filed on November 13, 2003 has been entered.
4. The disclosure is objected to because of the following informalities: on pages 2, and 9, lines 5, and 6, respectively, "date" should be -- data --.

Appropriate correction is required.

5. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 44-53 are rejected under 35 U.S.C. 102(e) as being anticipated by Nishiki et al. (U.S.P. 6,111,620).

As to claim 44, Nishiki et al. disclose, in Figs. 1 and 2, a thin film panel comprising: a plurality of first wires (first, third, ..., 1a; or first, fourth, ..., 2a, hereinafter, odd wires) transmitting first signals and extending in a direction substantially parallel to each other; a plurality of second wires (second, fourth, ..., 1a; or second, fifth, ..., 2a, or third, sixth, ..., 2a, hereinafter, even wires) transmitting second signals and extending substantially parallel to the first wires (odd wires); a first testing bar (6b/7a) connected to the first wires (odd wires); and a second testing bar (6a/7b or 7c) connected to the second wires (even wires) and separated from the first testing bar (6b/7a).

As to claim 45, Nishiki et al. disclose in Figs. 1 and 2, the first wires (first, third, ..., 1a) and the second wires (second, fourth, ..., 1a) are gate lines, and the first signals and the second signals are scanning signals.

As to claim 46, Nishiki et al. disclose in Figs. 1 and 2, the first wires (first, fourth, ..., 2a) and the second wires (second, fifth, ..., 2a, or third, sixth, ..., 2a) are data lines, and the first and the second signals are image signals.

As to claim 47, Nishiki et al. disclose in Fig. 2, a shorting bar (14) located outside of and connected to the first and the second wires (odd and even wires).

As to claim 48, Nishiki et al. disclose in column 6, lines 32-45, the first wires (odd wires) and the second wires (even wires) are alternately arranged.

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As to claim 49, Nishiki et al. disclose in Fig. 1, the first wires (odd wires) and the second wires (even wires) have cutouts (23) for electrical disconnection.

As to claim 50, Nishiki et al. disclose, in Figs. 1 and 2, a thin film panel comprising: a plurality of first signal lines (first, third, ..., 1a; or first, fourth, ..., 2a, hereinafter, odd wires) transmitting first signals, extending in a direction substantially parallel to each other, and having first ends (4 or 5) and second ends (4 or 5) located opposite to each other (see column 6, lines 5-8); a plurality of second signal lines (second, fourth, ..., 1a; or second, fifth, ..., 2a, or third, sixth, ..., 2a, hereinafter, even wires) transmitting second signals, extending substantially parallel to the first signal lines (odd wires), and having first ends (4 or 5) located near the first ends (4 or 5) of the first signal lines (odd wires) and second ends (4 or 5) located near the second ends (4 or 5) of the second signal lines (even wires); a first testing bar (6b/7a) connected to the first signal lines (odd wires) near the first ends (4 or 5) of the first signal lines (odd wires); and a second testing bar (6a/7b or 7c) connected to the second signal lines (even wires) near the first ends (4 or 5) of the second signal lines (even wires) and substantially parallel to the first testing bar (6b/7a).

As to claim 51, Nishiki et al. disclose in Figs. 4(a) and 4(b), the first and second signal lines (odd and even wires) include a first layer, and the first and second testing bars (6b/7a and 6a/7b or 7c) include a second layer different from the first layer.

As to claim 52, Nishiki et al. disclose in Fig. 1, a plurality of first connecting members (C) connecting the first signal lines (odd wires) and the first testing bar

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(6b/7a); and a plurality of second connecting members (C) connecting the second signal lines (even wires) and the second testing bar (6a/7b or 7c).

As to claim 53, Nishiki et al. disclose in column 6, lines 32-45, the first signal lines (odd wires) and the second signal lines (even wires) are alternately arranged.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Lee et al. 6,734,925 Multiple Testing Bars For Testing Liquid Crystal Display And Method Thereof.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh N. Tang whose telephone number is (571) 272-1971. The examiner can normally be reached on M-F (7:00-3:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramirez can be reached on (571) 272-2034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


MINH NHUT TANG
PRIMARY EXAMINER
3/29/05